



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
ILD 980268296

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) U.S. Steel, Waukegan Works		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 10th & Sheridan rd.			
03 CITY Waukegan	04 STATE IL	05 ZIP CODE 60085	06 COUNTY Lake	07 COUNTY CODE 097	08 CONG DIST 10
09 COORDINATES LATITUDE 422000.0		LONGITUDE 0875000.0		SE/4 Waukegan 15' Quad	
10 DIRECTIONS TO SITE (Starting from nearest public road) see Attached Map					

III. RESPONSIBLE PARTIES

01 OWNER (If known) U.S. Steel, Waukegan Works		02 STREET (Business, mailing, residential) 10th & Sheridan Rd.			
03 CITY Waukegan	04 STATE IL	05 ZIP CODE 60085	06 TELEPHONE NUMBER (312) 329-4896		
07 OPERATOR (If known and different from owner) Same		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 6/11/81 MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input type="checkbox"/> YES DATE _____ MONTH DAY YEAR <input checked="" type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR 1895 ENDING YEAR 1979 <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Heavy Metals (Toxic, Persistent)

EPA Region 5 Records Ctr.



351127

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

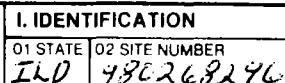
Ground Water (Population/Environment)
Surface Water (Population/Environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input checked="" type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT Michael A. Hanson	02 OF (Agency/Organization) U.S. Steel, Waukegan Works		03 TELEPHONE NUMBER (312) 329-4896	
04 PERSON RESPONSIBLE FOR ASSESSMENT Richard Lange	05 AGENCY IEPA	06 ORGANIZATION DLPC	07 TELEPHONE NUMBER (217) 792-4857	08 DATE 08/06/84 MONTH DAY YEAR



<p>01 PHYSICAL STATES <i>Check all that apply</i></p> <p><input checked="" type="checkbox"/> A SOLID <input type="checkbox"/> B POWDER FINES <input type="checkbox"/> C SLUDGE <input type="checkbox"/> D OTHER</p> <p>E SLURRY F LIQUID G GAS</p> <p><i>Specify:</i></p>	<p>02 WASTE QUANTITY AT SITE</p> <p><i>Measures of waste quantities must be indicated</i></p> <p>TONS</p> <p>CUBIC YARDS</p> <p>NO OF DRUMS</p> <p><i>unknown</i></p>	<p>03 WASTE CHARACTERISTICS <i>Check all that apply</i></p> <p>A TOXIC B CORROSIVE C RADIOACTIVE <input checked="" type="checkbox"/> D PERSISTENT</p> <p>E SOLUBLE F INFECTIOUS G FLAMMABLE H IGNITABLE</p> <p>I HIGHLY VOLATILE J EXPLOSIVE K REACTIVE L INCOMPATIBLE M NOT APPLICABLE</p>
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CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS		Unknown	

[illegible]

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

IEPA Files (Air & Water)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE IL 02 SITE NUMBER 980268296

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED

unk

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Landfill Dating from 1895 to 1979

01 ☒ B SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED

112,000

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Landfill (as above) very near Lake Michigan

01 ☐ C CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ D FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ E DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☒ F CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED

0-5
(Acres)

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Landfill dating from 1895 believed to
contain Heavy Metals

01 ☒ G DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED

112,000

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Potential seepage near water intakes from Lake Michigan
Intakes supply North Chicago & Waukegan

01 ☐ H WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

01 ☐ I POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
ILD 980268296

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include names of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

See part B

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

See part B

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills runoff standing liquids leaking drums)
03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 112,000

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA Files (Air & Water)

EXECUTIVE SUMMARY

The U. S. Steel, Waukegan Works is a processor of steel and stainless steel. All hazardous waste (acids, pickling liquids, etc.) seem to be transported off-site for disposal or reclamation.

There does exist, on-site, a landfill which was operated from 1895 to 1979. The only recent additions to this fill appear to be steel scale from a wire mill. This scale was removed from a sedimentation basin at an on-site water treatment facility. The waste discharge from this facility did contain allowable levels of both lead and zinc and one might suspect the sediment to contain higher levels of each.

In U. S. Steel's 103c form for this landfill site they acknowledge the presence of heavy metals from their wire mill operation.

A low priority has been assigned due to the disuse of the fill site and no information which would lead one to suspect an immediate hazard. It would be advisable to obtain samples from the fill material on a when time allows basis.

RL:tk/20

U.S.G.S. MAP
(SE/4 WAUKEGAN 15' QUADRANGLE)

USS WAUKEGAN WORKS
DISCHARGE POINT TO
NORTH SHORE SANITARY
DISTRICT

NORTH CHICAGO

GREAT LAKES
NAVAL TRAINING CENTER

